

#4

Sheet 1 of 11

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 5033	SERIAL NO. 08/794,637
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		APPLICANT John S. HENDRICKS et al.	
		FILING DATE February 3, 1997	GROUP <del>2602</del> 2611

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>Q</u>	AA	5 3 5 7 2 7 6	10/18/94	Banker et al.			
	AB	4 7 1 2 1 0 5	12/8/87	Kohler			
	AC	5 2 5 3 0 6 6	10/12/93	Vogel			
	AD	5 1 3 0 7 9 2	7/14/92	Tindell et al.			
	AE	5 1 5 2 0 1 1	9/29/92	Schwob			
	AF	4 9 9 6 5 9 7	2/26/91	Duffield			
	AG	5 3 4 1 1 6 6	8/23/94	Garr et al.			
	AH	4 7 0 6 1 2 1	11/10/87	Young			
	AI	4 9 2 8 1 6 8	5/22/90	Iwashita			
	AJ	5 1 4 4 6 6 3	9/1/92	Kudelski et al.			
<u>V</u>	AK	5 1 0 5 2 6 8	4/14/92	Yamanouchi et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<u>Q</u>	AL	3 1 1 4 3 7 5	5/15/91	Japan				
	AM	3 9 3 5 2 9 4	4/25/91	Germany				
	AN	4 2 0 1 2 3	4/3/91	EPO				
	AO	6 2 2 4 7 7 7	2/2/87	Japan				
<u>V</u>	AP	1 1 3 0 6 8 3	5/23/89	Japan				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<u>Q</u>	AQ	Reimer, "Memories in my Pocket", February 1991.
<u>Q</u>	AR	Olshansky et al., "Subscriber Distribution Networks Using Compressed Digital Video", November 1992.
<u>Q</u>	AS	Dinaro, et al., "Markets and Products Overview", 1991.

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Chris Bank

DATE CONSIDERED

11/2/01

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<u>Q</u>	CA	5 0 4 9 9 9 0	9/17/91	Kondo et al.			
	CB	4 8 1 6 9 0 1	3/28/89	Music et al.			
	CC	4 6 8 8 2 4 6	8/18/87	Eilers et al.			
	CD	4 9 4 9 1 8 7	8/14/90	Cohen			
	CE	4 9 9 5 0 7 8	2/19/91	Monslow et al.			
	CF	5 0 2 7 4 0 0	6/25/91	Baji et al.			
	CG	5 1 3 0 7 9 2	7/14/92	Tindell et al.			
	CH	5 1 7 2 4 1 3	12/15/92	Bradley et al.			
	CI	5 2 0 6 7 2 2	4/27/93	Kwan			
	CJ	5 2 4 7 3 4 7	9/21/93	Litteral et al.			
	CK	5 1 6 6 8 8 6	11/24/92	Molnar et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<u>Q</u>	CL	8 6 0 1 9 6 2	3/27/86	PCT				
	CM	8 9 0 9 5 2 8	10/5/89	PCT				
	CN	9 2 2 1 2 0 6	11/26/92	PCT				
	CO	9 0 1 0 9 8 8	9/20/90	PCT				
	CP	1 8 7 9 6 1	7/23/86	EPO				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<u>Q</u>	CQ	van den Boom, "Interactive Videotex. . .", Nov.-Dec. 1986.
<u>Q</u>	CR	Moloney, "Digital Compression in Todays. . .", June 6, 1993
<u>Q</u>	CS	Bestler, "Flexible Data Structures. . .", June 6, 1993

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>C</u>	DA	5 2 2 3 9 2 4	6/29/93	Strubbe			
	DB	5 2 8 9 2 7 1	2/22/94	Watson			
	DC	4 9 5 9 8 1 0	9/25/90	Darbee et al.			
	DD	4 4 8 8 1 7 9	12/11/84	Kruger et al.			
	DE	4 9 7 7 4 5 5	12/11/90	Young			
	DF	5 1 5 1 7 8 9	9/29/92	Young			
	DG	D 3 0 1 0 3 7	5/9/89	Matsuda			
	DH	D 3 1 4 3 8 3	2/5/91	Hafner			
	DI	D 3 2 5 5 8 1	4/21/92	Schwartz			
	DJ	D 3 2 9 2 3 8	9/8/92	Grasso et al.			
	DK	D 3 3 1 7 6 0	12/15/92	Renk, Jr.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<u>C</u>	DL	1 1 4 2 9 1 8	6/5/89	Japan				
	DM	3 5 5 6 9 7	2/28/90	EPO				
	DN	4 2 5 8 3 4	5/8/91	EPO				
	DO	5 1 3 7 6 3	11/19/92	EPO				
	DP	3 1 9 8 1 1 9	8/29/91	Japan				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<u>C</u>	DQ	Sharpless, "Subscription Teletext for Value Added Services", August 1985.
<u>C</u>	DR	Gelman et al., "A Store-and Forward. . .", June 21, 1991.

EXAMINER <u>Chris Green</u>	DATE CONSIDERED <u>11/2/01</u>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>Q</u>	EA	5 0 1 5 8 2 9	5/14/91	Eilert et al.			
	EB	5 2 0 2 8 1 7	4/13/93	Koenck et al.			
	EC	5 2 5 3 2 7 5	10/12/93	Yurt et al.			
	ED	5 2 8 3 6 3 9	2/1/94	Esch et al.			
	EE	5 3 4 5 5 9 4	9/6/94	Tsuda			
	EF	5 4 1 6 5 0 8	5/16/95	Sakuma et al.			
	EG	5 3 1 9 7 0 7	6/7/94	Wasilewski et al.			
	EH	5 4 6 9 2 0 6	11/21/95	Strubbe et al.			
	EI	5 4 8 3 2 7 8	1/9/96	Strubbe et al.			
	EJ	5 3 5 1 0 7 5	9/27/94	Herz et al.			
<u>V</u>	EK	5 4 8 1 2 9 6	1/2/96	Cragun et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<u>Dr</u>	EL	9 2 1 2 5 9 9	7/23/92	PCT				
	EM	2 1 6 8 2 2 7	6/11/86	Great Britain				
	EN	2 0 4 4 5 7 4	12/14/92	Canada				
	EO	5 2 5 0 1 0 6	9/28/93	Japan (Abstract)				
<u>V</u>	EP	6 1 0 6 0 1 50	3/27/86	Japan (Abstract)				

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<u>Q</u>	FA	4 9 6 1 1 0 9	10/2/90	Tanaka			
	FB	4 8 2 9 5 5 8	5/9/89	Welsh			
	FC	5 1 3 3 0 7 9	7/21/92	Ballantyne et al.			
	FD	5 3 5 5 1 6 2	10/11/94	Yazolino et al.			
	FE	5 1 8 2 6 3 9	1/26/93	Jutamulia et al.			
	FF	5 1 3 2 7 8 9	7/21/92	Ammon et al.			
	FG	4 8 7 6 7 3 6	10/24/89	Kiewit			
	FH	5 2 9 3 5 4 0	3/8/94	Trani et al.			
	FI	5 0 0 1 5 5 4	3/19/91	Johnson et al.			
	FJ	5 4 1 0 3 2 6	4/25/95	Goldsetin			
<u>V</u>	FK	5 0 4 7 8 6 7	9/10/91	Strubbe et al.			

**FOREIGN PATENT DOCUMENTS**

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							YES	NO
<u>Q</u>	FL	2 4 3 3 1 2	10/28/87	EPO				
	FM	9 3 2 2 8 7 7	11/11/93	PCT				
	FN	9 2 2 1 2 0 6	11/26/92	PCT				
	FO	9 1 0 0 6 7 0	1/10/91	PCT				
<u>V</u>	FP	9 1 0 3 1 1 2	3/7/91	PCT				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER <u>Q. J. G. 2</u>	DATE CONSIDERED <u>11/2/01</u>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>Q</u>	GA	5 3 5 3 1 2 1	10/4/94	Young et al.			
	GB	5 4 1 4 4 2 6	5/9/95	O'Donnell et al.			
	GC	5 4 0 4 3 9 3	4/4/95	Remillard			
	GD	5 2 3 7 3 1 1	8/17/93	Mailey et al.			
	GE	5 0 7 8 0 1 9	1/27/92	Aoki			
	GF	5 4 1 0 3 4 4	4/25/95	Graves et al.			
	GG	5 1 5 5 5 9 1	10/13/92	Wachob			
	GH	5 4 3 2 5 4 2	7/11/95	Thibadeau et al.			
	GI	5 0 3 6 5 3 7	7/30/91	Jeffers et al.			
	GJ	5 3 2 3 2 4 0	6/21/94	Amano et al.			
<u>Y</u>	GK	5 3 6 7 5 7 1	11/22/94	Bowen et al.			

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							YES	NO
<u>Q</u>	GL	9 2 1 7 0 2 7	10/1/92	PCT				
	GM	1 2 0 4 1 9 0	9/3/70	Great Britain				
	GN	3 4 2 3 8 4 6	1/9/86	Germany				
	GO	3 9 9 2 0 0	11/28/90	EPO				
<u>Y</u>	GP	1 0 3 4 3 8	3/21/84	EPO				

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Ch</i>	HA	4 3 6 1 8 4 8	11/30/82	Poignet et al.			
	HB	5 2 6 0 7 7 8	11/9/93	Kauffman et al.			
	HC	3 8 9 1 7 9 2	6/24/75	Kimura			
	HD	5 0 3 6 3 9 4	7/30/91	Morii et al.			
	HE	4 6 3 9 2 2 5	1/27/87	Washizuka			
	HF	4 8 2 9 5 6 9	5/9/89	Seth-Smith et al.			
	HG	4 6 0 5 9 6 4	8/12/86	Chard			
	HH	4 6 8 8 2 1 8	8/18/87	Bliveau et al.			
	HI	5 1 5 1 7 8 2	9/29/92	Ferraro			
	HJ	5 2 0 6 9 5 4	4/27/93	Inoue et al.			
	HK	5 3 4 3 2 3 9	8/30/94	Lappington et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>Ch</i>	HL	1 4 5 0 6 3	6/19/85	EPO				
	HM	1 5 8 5 4 8	10/16/85	EPO				
	HN	1 4 9 5 3 6	1/18/84	EPO				
	HO	1 6 7 2 3 7	1/8/86	EPO				
<i>Ch</i>	HP	4 5 0 8 4 1	10/9/91	EPO				

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<u>Q</u>	IA	5 3 2 7 5 5 4	7/5/94	Palazzi, III et al.			
	IB	4 7 2 4 4 9 1	2/9/88	Lambert			
	IC	5 3 7 5 0 6 8	12/20/94	Palmer et al.			
	ID	5 2 1 6 5 1 5	6/1/93	Steele et al.			
	IE	5 3 3 9 3 1 5	8/16/94	Maeda et al.			
	IF	4 6 9 7 2 0 9	9/29/87	Kiewit et al.			
	IG	5 4 8 1 2 9 4	1/2/96	Thomas et al.			
	IH	5 4 7 3 3 6 2	12/5/95	Fitzgerald			
	II	5 0 9 9 3 1 9	3/24/92	Esch et al.			
	IJ	5 1 5 0 1 1 8	9/22/92	Finkle et al.			
<u>V</u>	IK	5 4 7 9 2 6 8	12/26/95	Young et al.			

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CO	JA	5	3	4	1	4	7	4	8/23/94	Gelman et al.			
	JB	5	3	1	9	4	5	5	6/7/94	Hoarty et al.			
	JC	5	4	7	7	2	6	3	12/19/95	O'Callaghan et al.			
	JD	5	0	1	4	1	2	5	5/7/91	Pocock et al.			
	JE	5	1	3	2	9	9	2	7/21/92	Yurt et al.			
	JF	4	5	1	7	5	9	8	5/14/85	Van Valkenburg et al			
	JG	4	5	8	7	5	2	0	5/6/86	Astle			
	JH	5	5	1	5	0	9	8	5/7/96	Carles			
	JI	5	4	1	2	4	1	6	5/2/95	Nemirofsky			
	JJ	5	4	0	0	4	0	1	3/21/95	Wasilewski et al.			
	JK	5	2	8	5	2	7	2	2/8/94	Bradley et al.			

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<i>Q</i>	KA	5 4 4 6 9 1 9	8/29/95	Wilkins			
	KB	5 4 4 2 6 2 6	8/15/95	Wei			
	KC	5 4 8 1 5 4 2	1/2/96	Logston et al.			
	KD	5 4 2 4 7 7 0	6/13/95	Schmelzer et al.			
	KE	4 6 9 4 4 9 0	9/15/87	Harvey et al.			
	KF	4 6 9 5 8 2 5	10/23/90	Harvey et al.			
<i>✓</i>	KG	4 5 2 8 4 6 3	7/9/85	Freeny, Jr.			

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DEC 1991 26/1

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q	AA	5,570,126	10/29/96	Blahut et al.			
	AB	5,661,516	08/26/97	Carles			
	AC	5,724,091	03/03/98	Freeman et al.			
	AD	5,343,516	08/30/94	Callele et al.			
	AE	4,805,014	02/14/89	Sahara et al.			
	AF	4,381,522	04/26/83	Lambert			
	AG	5,500,794	03/19/96	Fujita et al.			
	AH	5,253,341	10/12/93	Rozmanith et al.			
	AI	5,073,930	12/17/91	Green et al.			
	AJ	5,075,771	12/24/91	Hashimoto			
	AK	5,696,906	12/09/97	Peters et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Q	AL	GB 2,177,873	01/28/87	United Kingdom				
	AM	JP 62-140134	06/23/87	Japan				✓
	AN	EP 2810 293	09/07/88	European Patent Office				
	AO	EP 513,553	11/19/92	European Patent Office				
	AP	EP 570,785	11/24/93	European Patent Office				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

AG	AQ	Sorce et al., Human Factors in Telecommunications, Septmber 10-14, 1990/

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BA		5,103,314	04/07/92	Keenan			
BB		5,404,505	04/04/95	Levinson			
BC		5,390,348	02/14/95	Magin et al.			
BD		4,398,216,	08/09/83	Field et al.			
BE		4,633,462	12/30/86	Stifle et al.			
BF		5,365,265	11/15/94	Shibata et al.			
BG		5,396,546	03/07/95	Remillard			
BH		5,461,667	10/24/95	Remillard			
BI		5,561,708	10/01/96	Remillard			
BJ		5,561,709	10/01/96	Remillard			
BK		5,349,638	09/20/94	Pitroda et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BL		EP 328,440	08/16/89	EPO				✓

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

Chris Gentry

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**U.S. PATENT DOCUMENTS**

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CA		5,440,632	08/08/95	Bacon et al.			
CB		5,056,138	10/08/91	Tyson, Sr.			
CC		4,621,282	11/04/86	Ahern			
CD		5,293,633	03/08/94	Robbins			
CE		5,038,402	08/06/91	Robbins			
CF		5,663,757	09/02/97	Morales et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
CG		JP 01-20454	01/30/89	Japan			✓	

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


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Chris Gray

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DA	5,424,770	06/13/95	Schmelzer et al.				
DB	4,694,490	09/15/87	Harvey et al.				
DC	4,965,825	10/23/90	Harvey et al.				
DD	4,528,643	07/09/85	Freeny, Jr.				
DE	5,237,610	08/17/93	Gammie et al.				
DF	4,712,130	12/08/87	Casey				
DG	5,282,028	01/25/94	Johnson et al.				
DH	5,644,354	07/01/97	Thompson et al.				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DI	EP 167,237	01/08/86	EPO					
DJ	EP 149,536	07/24/85	EPO					
DK	EP 158,548	10/16/85	EPO					
DL	EP 145,063	06/19/85	EPO					
DM	EP 103,438	03/21/84	EPO					

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DN	HP-41C Operationg Manual, Hewlett Packard Co., December, 1982

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*Chen*

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Chris Green VT

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